

For Research Use Only

# Carbonic Anhydrase IX/CA9 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84233-5-PBS



## Basic Information

<b>Catalog Number:</b> 84233-5-PBS	<b>GenBank Accession Number:</b> BC014950	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 768	<b>CloneNo.:</b> 241573G11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16790	
<b>Isotype:</b> IgG	<b>Full Name:</b> carbonic anhydrase IX	
<b>Immunogen Catalog Number:</b> AG36941	<b>Calculated MW:</b> 459 aa, 50 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA,  
Sample test

**Species Specificity:**  
human

## Product Information

84233-5-PBS targets Carbonic Anhydrase IX/CA9 as part of a matched antibody pair:

MP01136-1: 84233-3-PBS capture and 84233-5-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

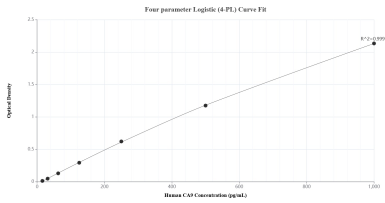
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

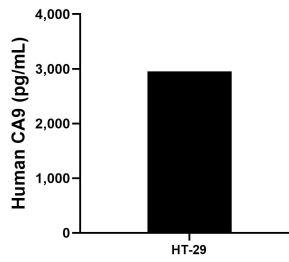
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

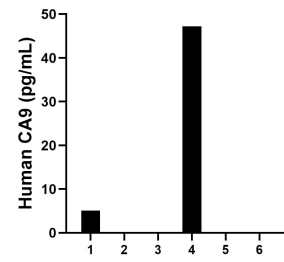
## Selected Validation Data



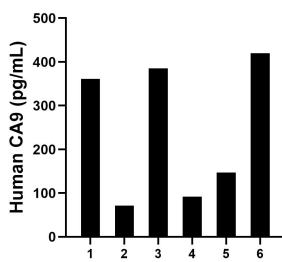
Sandwich ELISA standard curve of MP01136-1, Human CA9 Recombinant Matched Antibody Pair - PBS only. 84233-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag36941. 84233-5-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



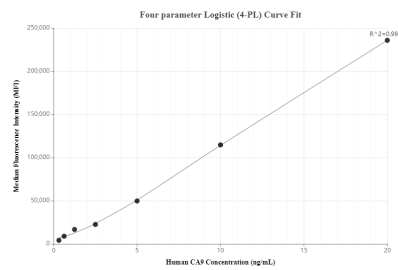
HT-29 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for human CA9, and measured 2,951.1 pg/mL



Urine of six individual healthy human donors was measured. Five measured less than the lowest human CA9 standard, 15.6 pg/mL. One sample read 47.2 pg/mL



Serum of six individual healthy human donors was measured. The CA9 concentration of detected samples was determined to be 246.1 pg/mL with a range of 71.5-420.1 pg/mL



Cytometric bead array standard curve of MP01136-1, CA9 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84233-3-PBS. Detection antibody: 84233-5-PBS. Standard: Ag36941. Range: 0.313-20 ng/mL